REMARKS

This application has been reviewed in light of the Office Action dated April 26, 2005. Claim 34 is pending in the present application. In view of the remarks presented below, Applicants respectfully request favorable reconsideration and allowance of Claim 34.

In the Office Action, the Examiner rejected Claim 34 under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 5,538,795 (Barbee, Jr. et al.). It is well-established that for a reference to defeat a claim's novelty under 35 U.S.C. § 102 (*i.e.*, anticipate the claim), it must disclose each and every element of the claim. Advance Display Sys. v. Kent State Univ., 212 F.3d 1272 (Fed. Cir. 2000). Applicants respectfully request that this rejection be withdrawn because Barbee, Jr. et al. fails to teach each and every claim limitation called for in Claim 34.

In the present application, the claimed invention relates to a reactive multilayer foil including two different regions. Specifically, the foil includes: (a) one or more first regions composed of a material that reacts exothermically to form an electrically conductive material, and (b) one or more second regions composed of a non-conductive material or a material that reacts to form a non-conductive material.

As noted in the specification, a "reactive foil is designed so that some sections react to form electrically conductive regions and other sections form non-conductive regions." (Specification, page 19, lines 4-5). As further described with respect to Figs. 9A and 9B, regions **91** (e.g., alternate layers of Al and Ni) react to form conductive regions **95**, while regions **92** (e.g., SiO_2 or silicon nitride) react to form non-conductive regions. Claim 34

provides for a reactive multilayer foil which, following a reaction, includes both one or more conductive regions and one or more non-conductive regions.

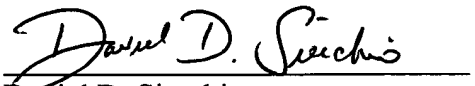
In contrast, the Barbee, Jr. et al. patent is understood to relate to a foil body which includes only a single multilayer region, which can react to form either a conductive region or a non-conductive region, but not both. Completely absent from Barbee, Jr. et al. is any teaching or suggestion of a multilayer foil which upon reaction forms both a non-conductive and a conductive region.

Accordingly, because Barbee, Jr. et al. fails to teach or suggest each and every element of the claimed invention, the § 102(b) rejection of Claim 34 should be withdrawn.

In view of the foregoing remarks, Applicants respectfully request favorable reconsideration and an early allowance of Claim 34.

Applicants' undersigned attorney may be reached by telephone at (973) 597-2500. All correspondence should continue to be directed to our address listed below.

Respectfully submitted,



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